

### ABSTRACT OF THE DISCLOSURE

A method for manufacturing type M hexaferrite powders for the formula  $AFe_{12}O_{19}$ , where A is Ba, Sr, Ca, Pb or a mixture thereof. An iron oxide  $Fe_2O_3$  and a compound A are mixed with a molar ratio  $n = Fe_2O_3/AO$ , formed and calcined, and the agglomerates which result from the calcining are ground to obtain a fine ferrite powder. The mixture is formed with a ratio n ranging between 5.7 and 6.1, and with a predetermined degree of homogeneity, and before or during the grinding process, an agent controlling the microstructure is introduced.